BT-02N User's manual

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Safety Information

Federal Communications Commission (FCC) Statement

15.21
You are cautioned that changes or modifications not expressly approved by the part responsible for compliance could void the user's authority to operate the equipment.

15.105(b)
This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

-Reorient or relocate the receiving antenna.
-Increase the separation between the equipment and receiver.
-Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
-Consult the dealer or an experienced radio/TV technician for help.

Operation is subject to the following two conditions:

1) this device may not cause interference and

2) this device must accept any interference, including interference that may cause undesired operation of the device.

FCC RF Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. End users must follow the specific operating instructions for satisfying RF exposure compliance. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Caution: Users are not permitted to make changes or modify the device in any way. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

1. Overview

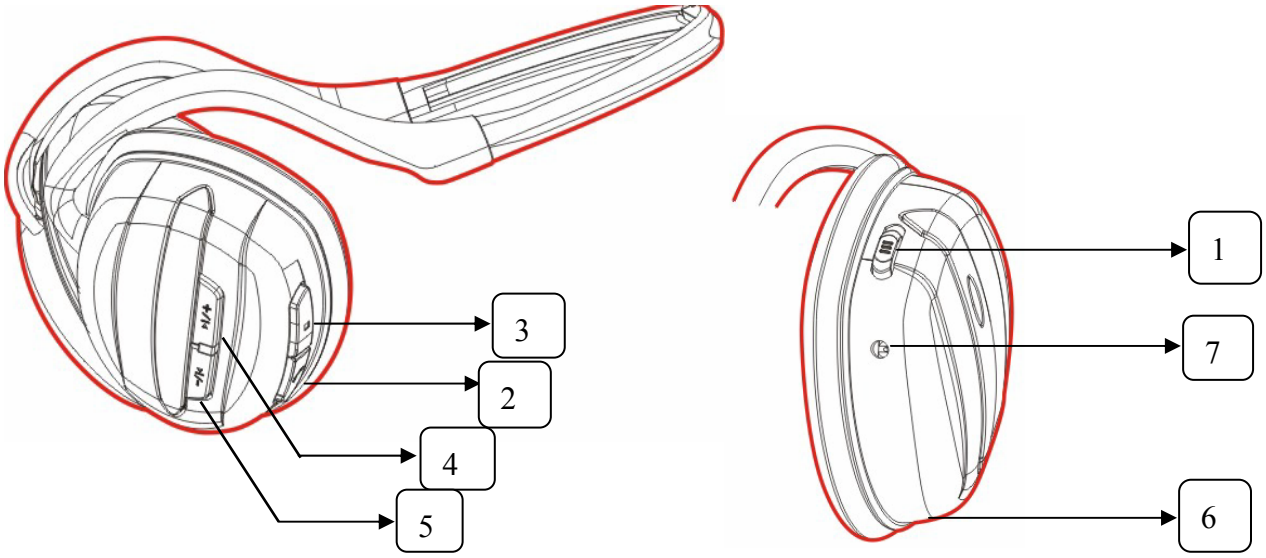
1-1 Packing Contents:

- Bluetooth Stereo Headset
- Power adapter
- Bluetooth USB dongle (Optional)
- Software CD
- Leather bag

1-2 Headset Feature

This Bluetooth headset supports Hand-free, Headset, A2DP, AVRCP profile. Accessing functions depends upon your profile connection with Bluetooth devices (etc. as mobile phone, Bluetooth USB dongle) support.

1-3 Key function



	Key	Description	Function
1		**Power On/Off Switch**	To power On/Off the Headset. The Power LED will light blue when power is switched on
2		**Multi-Function Button (MFB)**	To enable the standby mode, pairing with other Bluetooth devices, play/pause music, and answer/end phone call.
3	■	**Stop**	To stop music when listening
4	+/⏭	**Volume up/Skip Forward**	Volume up and Skip forward to the next music track. Press and hold the button 3 seconds to skip forward to next music track.
5	−/ ⏮	**Volume down/Skip Reverse**	Volume down and to Skip reverse to previous music track. Hold the button 3 seconds to skip reverse to the previous music track.
6		**Microphone**	Used for Hand-free and Headset. The microphone can be pulled out for better voice clarity.
7		**Power Charger**	AC adaptor to charge the Bluetooth headset

Power LED	Blue Light: The LED will light blue when power is switched on.
	Red Light: The LED will light red when battery is charging.
	Green Light: The LED will light when battery is fully charged.
	Green Light with flash Red Light: Battery is out of order, have to replace new battery
Mode LED	**Pair**: Press and hold the MFB 5 seconds then headset will be on Pairing mode and the Mode LED will flash Red light.
	Play/Pause: Short click the MFB to switch between Play and Pause music, when headset is connected on A2DP profile.
	Enable the Standby mode: Press and hold the MFB 3 seconds. When this headset is on Standby mode, there is one “Do Do” tone and the Mode LED will flash blue continuously
	Answer/End phone call function: Short click the MFB to answer/end phone when headset is on Hand free profile.
	Low battery: Indicates the battery of headset is low and has “Do Do” tone per 10 seconds, have to charge the battery.

2. Getting Start

2-1 Charge Your Headset:

Before using this product, charge the built-in rechargeable battery. The first time the built-in rechargeable battery has to be charged is for at least 5 hours. It will take around 4 hours to fully recharge this product the next time. The Power LED will be green when battery is fully charged. When charging, the power LED will be red

NOTE:

- Turn off the product before charging.

- It's normal that a rechargeable battery gradually wears down and requires longer charging times.

2-2 Turn on Your Headset:

Switch the Power On and the Power LED will be blue. Press and hold the MFB for 3 seconds to let headset enter Standby mode.

2-3 Pairing:

NOTE: You have to pair this headset with a PC, mobile phone, and other Bluetooth devices before using this headset. Since "Pairing" creates a link between devices by Bluetooth wireless technology.

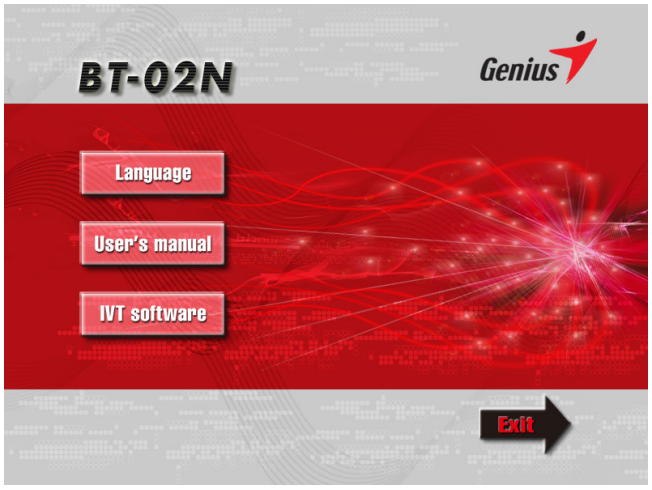
1. Press and hold the MFB around 5 seconds until the Mode LED changes from red to blue. This headset is now in pairing mode.
2. Perform a device search for Bluetooth devices (mobile phone, PC USB dongle, Bluetooth audio devices, etc.)
3. When the search is complete, the Bluetooth device will display the devices found.
4. Select "BT-02N" from the device list and confirm the following screen prompts.
5. When the screen prompt asks for a password, enter the default password "1234" to finish pairing. After the pairing is successful, the Mode LED changes from red to a flashing blue light.

3. How to connect your Bluetooth Headset

3-1 Connect with your PC/NB :

The Bluetooth headset supports A2DP/AVRCP protocol. The headset can control Windows media player volume, track, and stop/pause functions. If your PC/NB does not have a Bluetooth device embedded, insert the Bluetooth USB dongle and bundled software so you can connect your Bluetooth headset with your PC/NB.

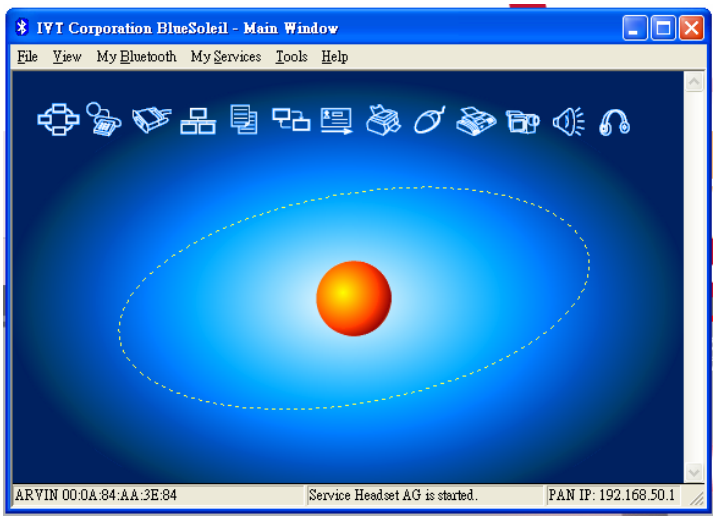
1. Put the bundled CD into your CD-ROM. The PC will auto run the Genius screen as below:



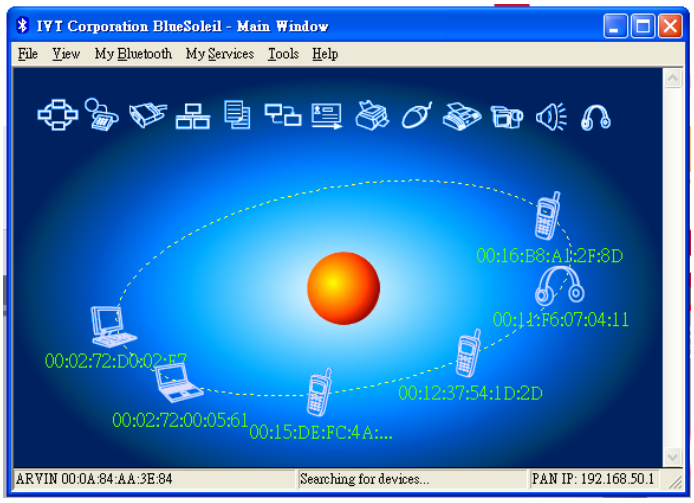
Click on “IVT Software”, and Windows will auto install the IVT Software. (The bundled IVT software version is Ver2.1.2.0. If the PC did not run the auto screen, find the E:/IVT software/Setup.exe, click the file, and the PC will start to install the software.

2. After the IVT software install is complete, the Bluetooth icon will show up on a corner of the screen.

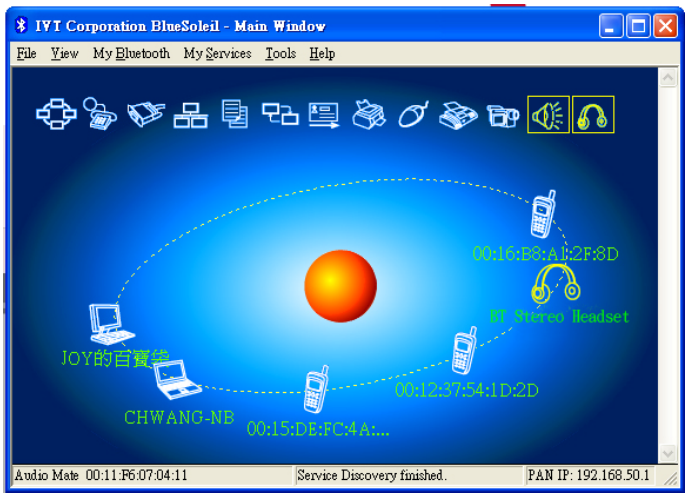
Double click on the icon, and the IVT software will pop-up on the screen.


IVT Corporation BlueSoleil - Main Window
File View My Bluetooth My Services Tools Help
ARVIN 00:0A:84:AA:3E:84
Service Headset AG is started.
PAN IP: 192.168.50.1

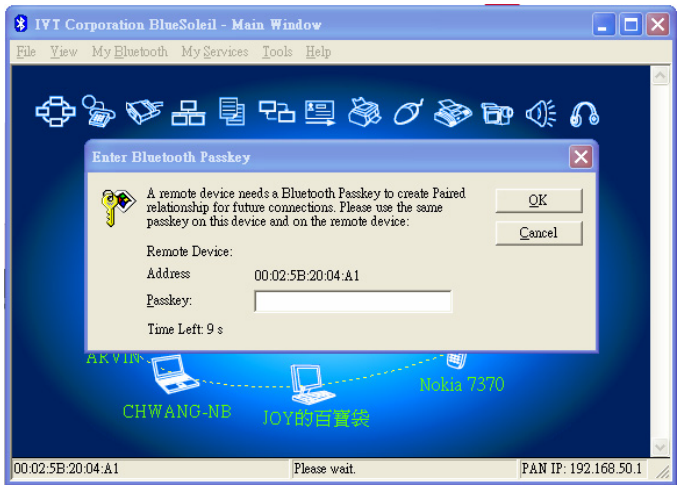
3. Make your BT-02N at pair mode, then press the orange button in the middle. The Software will start to search all Bluetooth devices in the effective distance.



4. When the searching is complete, click the BT-02N headset on the screen, and the top icon “AV profile” and “Headset” profile will light up.

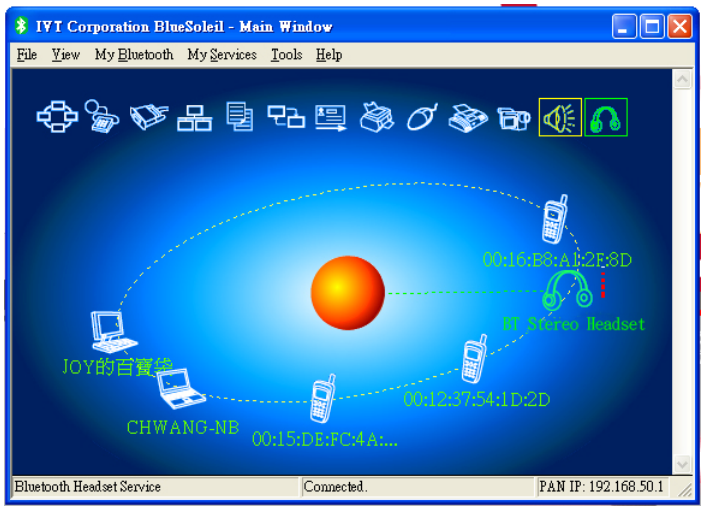


5. Press BT-02N, click the right mouse button, and choose “pair” to pair with your PC. The PC will ask to provide the passkey, input “ **1234**” to complete the pairing.


IVT Corporation BlueSoleil - Main Window
File View My Bluetooth My Services Tools Help
Enter Bluetooth Passkey
A remote device needs a Bluetooth Passkey to create Paired relationship for future connections. Please use the same passkey on this device and on the remote device:
OK
Cancel
Remote Device:
Address 00:02:5B:20:04:A1
Passkey:
Time Left: 9 s
CHWANG-NB
JOY的百寶袋
Nokia 7370
00:02:5B:20:04:A1
Please wait.
PAN IP: 192.168.50.1

6. Once you complete the pairing, that means your Bluetooth headset is already connected to your PC. There will be a red mark near by the headset icon.

7. If you want to use the AV profile, press , and the PC will connect with your Bluetooth headset by the AV profile. Then all processes are complete. The sound output device will change to Bluetooth. Now listen the music from the PC will go through the Bluetooth headset.



8. If you want to disconnect the connection, right click the , and select disconnect. The headset will be disconnected from the PC.

3-2 Connect with Mobile phone

Some mobile phones have Bluetooth functions. The BT-02N can connect with a mobile phone and a PC at the same time. When you listen the music from a PC, and if you have an incoming phone call, BT-02N will pause the music and answer the incoming phone call. After the phone call is finished, the music will begin playing again.

Vendor	Model	Universal AV RX Firmware Version	Test Case												
			HFP: Phone connects to Headset	HFP: Answer call from Headset	HFP: Answer call from Phone	HFP: Terminate call from Headset	HFP: Terminate call from Phone	HFP: Terminate call from Remote	HFP: Reject incoming call from Headset	HFP: Reject incoming call from Phone	HFP: Reject incoming call from Remote	HFP: Adjust VOL+/VOL-	AV: Play/Pause music (No HFP)	AV: Play/Pause music (With HFP)	AV: Music can play back after call ended(With HFP)
Nokia	6230	3.0.11	P	P	P	P	P	P	P	P	P	P	P	P	P
	3650	3.0.11	P	P	P	P	P	P	P	P	P	P	P	P	P
Sony-Ericsson	K700i	3.0.11	P	P	P	P	P	P	P	P	P	P	P	P	P
	T610 (2)	3.0.11	P	F(3)	P	P	P	P	P	P	P	P	P	P	P
	T630(2)	3.0.11	P	P	P	P	P	P	P	P	P	P	P	P	P
Motorola	E680i(1)	3.0.11	P	P	P	P	P	P	P	P	P	P	P	P	P
	E770(5)	3.0.11	P	P	P	P	P	P	P	P	P	P	P	P	P
	V3	3.0.11	P	P	P	P	P	P	P	P	P	P	P	P	P
Samsung	D508	3.0.11	P	P	P	P	P	P	P	P	P	P	P	P	P
HP iPAQ	6515(6)	3.0.11	P	P	P	P	P	P	P	P	P	P	P	P	P

Steps:

1. Enable your mobile phone's Bluetooth function.
2. Turn your BT-02N to pairing mode.
3. Make your mobile phone search for new Bluetooth device.
4. After your phone finds "BT-02N" , start to connect it.

5. The mobile phone will turn to hand-free mode when your BT headset is connected.

Note: This step will be different according to different mobile phones. The connection will depend on your mobile phone. For more mobile phone connection information, refer to your mobile phone's user guide.

4. Using your Bluetooth headset

4-1 Control your WMP

After connecting with your PC, you can open the WMP (Windows Media Player) to listen to music. As BT-02N supports the AVRCP profile, you can remote control WMP with the headset.

	Key	Description	Function
1		**Multi-Function Button (MFB)**	Play/pause the music
2	■	**Stop**	Stop music
3	+/ ⏭	**Volume up/Skip Forward**	Volume up and Skip forward to the next music track. Press the key once to turn the volume up. Press and hold the button 3 seconds to skip forward to next track.
4	− / ⏮	**Volume down/Skip Reverse**	Volume down and Skip reverse to previous track. Press the key once to lower the volume. Press and hold the button 3 seconds to skip reverse to the previous track.

4-2 Control your Mobile phone

When you connect with a mobile phone, if your mobile phone supports A2DP profile, you can listen to music from your mobile phone. If not, it will only be in mono, not stereo.

	Key	Description	Function
1		**Multi-Function Button (MFB)**	Press once to answer the phone call/hang up the phone call
2	■	**Stop**	Reject the incoming phone call
3	+/⏭	**Volume up/Skip Forward**	Volume up
4	− / ⏮	**Volume down/Skip Reverse**	Volume down

5. Specifications:

Compatibility:

This Bluetooth Headset is compatible with the cellular phones or other Bluetooth enabled devices that support Bluetooth Headset, Hand free, AVRCP and A2DP profiles.

Working Range:

This Bluetooth Headset conforms to Bluetooth class 2 for a range of 30 feet (10M) in an open space.

Battery:

Power Supply: Li Polymer Recharge Battery (380mA/H 3.6V), one-year guarantee.

Working Time: 8 Hours

Charge Time: 4 Hours

Charge Current: ≈100mA

Stand-By: Approx 250 Hours

Speaker:

Dimensions: φ36mm * 6mm (H)

Loading Impedance: 32Ω

Out Sound Pressure Lever: 100dB±4dB

Frequency Response: 200 ~ 16K Hz

Microphone:

Sensitivity: -42dB ± 3dB

Output Impendence: ≦ 2.2KΩ

Directivity: Omni-directional

Frequency Rang: 100 ~ 10K Hz